What Is Claimed Is:

 public network, comprising: generating a message at a client; formatting the message in a publicly available format; communicating the message across the public network to a web server receiving the message at the web server; transforming the message to a database specific format; and passing the message to a queue within a database server across a proprietary network. The method of claim 1, wherein the publicly available format 	ı	1. A method to facilitate accessing communication queues using a	
formatting the message in a publicly available format; communicating the message across the public network to a web server receiving the message at the web server; transforming the message to a database specific format; and passing the message to a queue within a database server across a proprietary network.	2	public network, comprising:	
communicating the message across the public network to a web server receiving the message at the web server; transforming the message to a database specific format; and passing the message to a queue within a database server across a proprietary network.	3	generating a message at a client;	
receiving the message at the web server; transforming the message to a database specific format; and passing the message to a queue within a database server across a proprietary network.	4	formatting the message in a publicly available format;	
transforming the message to a database specific format; and passing the message to a queue within a database server across a proprietary network.	5	communicating the message across the public network to a web server	
passing the message to a queue within a database server across a proprietary network.	6	receiving the message at the web server;	
9 proprietary network.	7	transforming the message to a database specific format; and	
	8	passing the message to a queue within a database server across a	
1 2. The method of claim 1, wherein the publicly available format	9	proprietary network.	
1 2. The method of claim 1, wherein the publicly available format			
	1	2. The method of claim 1, wherein the publicly available format	

- 2 includes extensible markup language (XML).
- 1 3. The method of claim 1, wherein communicating the message across the public network includes communicating with one of, hypertext transfer 2 3 protocol (HTTP), simple mail transfer protocol (SMTP), and file transfer protocol 4 (FTP), whereby the message can be communicated across a firewall.
- 1 4. The method of claim 1, further comprising sending the message 2 from the queue to a recipient.
- 1 5. The method of claim 1, further comprising publishing the message 2 from the queue to a list of recipients.

1	6.	The method of claim 1, further comprising requesting to receive a
2 stored message from the queue.		e from the queue.

- 1 7. The method of claim 1, further comprising registering to receive 2 notification of new messages from the queue.
- 1 8. The method of claim 1, wherein the client is a second queue in a 2 second database.
- 1 9. The method of claim 1, wherein the public network is the Internet.
- 1 10. The method of claim 1, further comprising authenticating the client 2 to the web server.
- 1 11. The method of claim 1, further comprising guaranteeing transactional integrity of a transaction including multiple round trips, wherein 2 3 operations of the transaction are committed and aborted as a unit.
- 1 12. The method of claim 1, further comprising guaranteeing exactly 2 once delivery of the message during propagation from a first queue to a second queue, whereby exactly once delivery is ensured by using a sequence number and 3 4 not by a two phase commit.
- 1 13. A computer-readable storage medium storing instructions that when executed by a computer cause the computer to perform a method to 2 3 facilitate accessing communication queues using a public network, the method 4 comprising:

5	generating a message at a client;
6	formatting the message in a publicly available format;
7	communicating the message across the public network to a web server;
8	receiving the message at the web server;
9	transforming the message to a database specific format; and
10	passing the message to a queue within a database server across a
11	proprietary network.

- 1 14. The computer-readable storage medium of claim 13, wherein the publicly available format includes extensible markup language (XML).
- 1 15. The computer-readable storage medium of claim 13, wherein communicating the message across the public network includes communicating with one of, hypertext transfer protocol (HTTP), simple mail transfer protocol (SMTP), and file transfer protocol (FTP), whereby the message can be communicated across a firewall.
- 1 16. The computer-readable storage medium of claim 13, the method 2 further comprising sending the message from the queue to a recipient.
- 1 17. The computer-readable storage medium of claim 13, the method further comprising publishing the message from the queue to a list of recipients.
- 1 18. The computer-readable storage medium of claim 13, the method 2 further comprising requesting to receive a stored message from the queue.

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web server;

1	19.	The computer-readable storage medium of claim 13, the method	
2	further compris	sing registering to receive notifications from the queue.	
1	20		
1		The computer-readable storage medium of claim 13, wherein	
2	messages are p	ropagated from a first queue to a second queue.	
1	21.	The computer-readable storage medium of claim 13, wherein the	
2	public network is the Internet.		
1	22.	The computer-readable storage medium of claim 13, the method	
2		sing authenticating the client to the web server.	
2	ruruler compris	sing authenticating the chefit to the web server.	
1	23.	The computer-readable storage medium of claim 13, the method	
2	further compris	sing proxying as a database user by the web server on behalf of an	
3	Internet user.		
1	24.	An apparatus to facilitate accessing communication queues using a	
2	public network		
3	-	ating mechanism that is configured to generate a message at a	
4	client;	g and a grant was grant with a	
5	a forma	tting mechanism that is configured to format the message in a	
6	publicly available format;		
7	a comm	unicating mechanism that is configured to communicate the	
8	message across the public network to a web server;		
9	a receiving mechanism that is configured to receive the message at the		

11	a transforming mechanism that is configured to transform the message to		
12	database specific format; and		
13	a passing mechanism that is configured to pass the message to a queue		
14	within a database server across a proprietary network.		
1	25. The apparatus of claim 24, wherein the publicly available format		
2	includes extensible markup language (XML).		
1	26. The apparatus of claim 24, wherein communicating the message		
2	across the public network includes communicating with one of, hypertext transfer		
3	protocol (HTTP), simple mail transfer protocol (SMTP), and file transfer protocol		
4	(FTP), whereby the message can be communicated across a firewall.		
1	27. The apparatus of claim 24, further comprising a sending		
2	mechanism that is configured to send the message from the queue to a recipient.		
1	28. The apparatus of claim 24, further comprising a publishing		
2	mechanism that is configured to publish the message from the queue to a list of		
3	recipients.		
1	29. The apparatus of claim 24, further comprising a requesting		
2	mechanism that is configured to request receiving a stored message from the		
3	queue.		
1	30. The apparatus of claim 24, further comprising a registering		
2	mechanism that is configured to register to receive notifications from the queue		

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1	31.	The apparatus of claim 24, wherein the client is a second queue in
2.	a second datab	ase

- 1 32. The apparatus of claim 24, wherein the public network is the 2 Internet.
- 1 33. The apparatus of claim 24, wherein exactly once delivery of 2 messages to a second queue is guaranteed across the public network, whereby the 3 public network handles recovery from network and database failures.
 - 34. The apparatus of claim 24, further comprising an authenticating mechanism that is configured to authenticate the client to the web server.